MINIATURE SIZE METAL FILM FIXED RESISTORS

INTRODUCTION

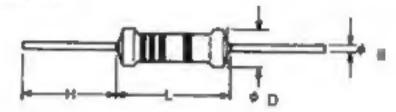
1. Miniature size for saving PCB assembly.

Manufactured by high vacuum sputtering deposit metal film on high aluminum content ceramic rods.

Superior electrical performance and cost comparable to covensional sizes.

4. Standard tolerance: ± 1% (2%, 5% available)

DIMENSIONS



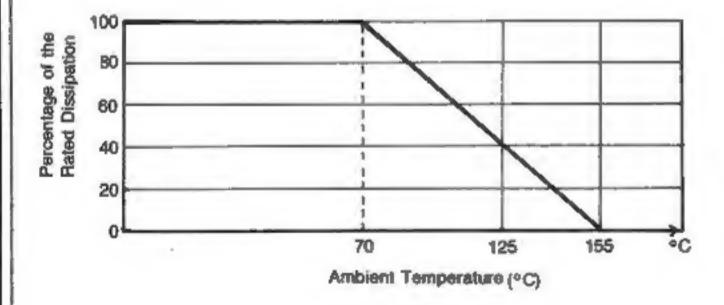
GENERAL SPECIFICATIONS

STYLE	POWER RATING (W) 70°C	DIMENSTION (mm)				MAX		*RESISTANCE
		L	D	H(MIN)	D	WOHKING Y.	OVERLOAD V.	RANGE 1%
FM0204	0.4W	3.7±0.4	1.5±0.2	27	0.45 ± 0.2	200V	350V	10Q - 1MEG
FM0207	0.6W	6.5 ± 0.5	2.3±0.2	27	0.56 ± 0.2	250V	500V	109 - 1MEG

* Max working voltage determined by E = PR, E Should not exceed value listed in column above.

* 5% Range MF0204 2.2Ω - 1MEG, MF0207 5.1Ω - 4.7MEG

DERATING CURVE



CHARACTERISTICS

Requirements	Characteristics	Remarks 10 -6/K Mii-STD-202 Metrob 304		
Temperature Coefficient	± 50 PPM			
Termal Resistance	140 K			
Life Stability At 70°C 1000 Hr Max. Resistance Change	0.5%	K Most Umax. 1.5 hr ON- 0.5 hr OFF		
Dielectric Withstanding Voltage	300 Vr.m.s. for MF0204 500 Vr.m.s. for MF0207			
Insulation Resistence	>10°MQ	100VDC		
Damp Heat Stendy State	± 0.5%	56 Days At 40°C and 93% Relative humidity at a voltage of 0.1 times rated voltage, Max 16 Volta		
Short time Overload	△R ± 0.25%	2.5 times rated voltage, at most 2 times limitig element voltage (U Max)		
Moisture Resistance	± 0.5%			
Resistance to Soldering Heat	± 0.25%	350 ± 5°C to 6mm distance from the registance body in 3 sec.		
Temperature Cycling	± 0.5%	-65°C to +155°C		
Low temperature Operation	±0.25%	High frequency, 10-500Hz		
Vibration	±0.25%	-65°C		
Current Noise	Up to 1MQ ≤ 0.5 ^{EV} / _V	~ 5dB		
Solderability	>95% Coverage	Dipping in 235°C Solder bath for 2.5 sec		
Resistance to Solvents	No failure to top coating and color code			